

a first mounting head section having a plurality of component suction nozzles for successively sucking to pick up the plural components at one of the component supply tables, thereafter moving to a board positioned at the board mounting position, and thereafter successively mounting the plural picked-up components onto the board while moving in first and second directions which are perpendicular to each other,

wherein the first direction is perpendicular to a direction in which the board is transferred, and the second direction is located along the board transfer direction; and

a second mounting head section having a plurality of component suction nozzles for successively sucking to pick up the plural components at the other of the component supply tables, thereafter moving to the board positioned at the board mounting position, and thereafter successively mounting the plural picked-up components onto the board while moving in third and fourth directions which are perpendicular to each other,

cont. wherein the third direction is parallel to the first direction, and the fourth direction is parallel to the second direction but is not necessarily the same as the second direction,

wherein each of the first and second mounting head sections is independently moveable between the component supply table and the board, and the first mounting head section is capable of mounting the plural picked-up components onto the board while

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the second mounting head section successively sucks to pick up the plural components at the other of the component supply tables.

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18. (Amended) A component mounting apparatus comprising:
a pair of component supply tables for accommodating a plurality of components, said component supply tables being arranged on opposite sides of a board mounting position;

a first mounting head section for successively picking up the plural components at one of the component supply tables and thereafter successively mounting the plural picked-up components onto a board, positioned at the board mounting position, while moving in first and second directions which are perpendicular to each other,

wherein the first direction is perpendicular to a direction in which the board is transferred, and the second direction is located along the board transferred, and the second direction is located along the board transfer direction; and

a second mounting head section for successively picking up the plural components at the other of the component supply tables and thereafter successively mounting the plural picked-up components onto the board, positioned at the board mounting position, while moving in third and fourth directions which are perpendicular to each other,

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wherein the third direction is parallel to the first direction, and the fourth direction is parallel to the second direction but is not necessarily the same as the second direction,

wherein each of the first and second mounting head sections is independently movable between the component supply table and the board,

wherein one of the first and second mounting head sections has a plurality of component suction nozzles for sucking a plurality of the components prior to a component mounting operation,

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wherein the first mounting head section mounts the plural picked-up components onto the board while the second mounting head section successively sucks to pick up the plural components at the other of the component supply tables.

Sub 37
34. (Amended) A component mounting apparatus comprising:

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a pair of component supply tables for accommodating a plurality of components, said component supply tables being arranged on opposite sides of a board mounting position;

a first mounting head section having a plurality of nozzles for successively picking more than one of the components at one of the component supply tables and thereafter successively mounting the picked-up components on a board that is positioned at the board mounting position, said first mounting head section being

movable in first and second directions which are perpendicular to each other,


wherein the first direction is perpendicular to a direction in which the board is transferred, and the second direction is along the direction in which the board is transferred; and

a second mounting head section having a plurality of component suction nozzles for successively picking up more than one of the components at the other of the component supply tables and thereafter successively mounting the picked-up components on the board, positioned at the board mounting position, while moving in third and fourth directions which are perpendicular to each other,

wherein the third direction is perpendicular to a direction in which the board is transferred, and the fourth direction is along the direction in which the board is transferred;

wherein each of the first and second mounting head sections is independently movable between the component supply tables and the board,

wherein the first mounting head section is capable of mounting the plural picked-up components on the board while the second mounting head section successively picks up the plural components at the other of the component supply tables.

 concluded